



7Y4

FULL-WAVE VACUUM RECTIFIER

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage. 6.3[□] ac or dc voltsCurrent. 0.5^{□□} amp

Mechanical:

Mounting Position. Any

Maximum Overall Length. 2-25/32"

Maximum Seated Length. 2-1/4"

Maximum Diameter. 1-3/16"

Bulb T-9

Base Lock-in 8-Pin

Basing Designation for BOTTOM VIEW. 5AB

Pin 1 - Heater

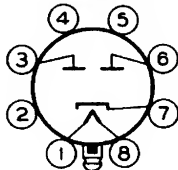
Pin 2 - No

Connection

Pin 3 - Plate No. 2

Pin 4 - No

Connection



Pin 5 - No

Connection

Pin 6 - Plate No. 1

Pin 7 - Cathode

Pin 8 - Heater

Plug - Base Shell

FULL-WAVE RECTIFIER

Maximum Ratings, Design-Center Values:

PEAK INVERSE PLATE VOLTAGE. 1250 max. volts

PEAK PLATE CURRENT PER PLATE. 180 max. ma

DC OUTPUT CURRENT. 70 max. ma

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. 450 max. volts

Heater positive with respect to cathode. 450 max. volts

Typical Operation:

	Capacitor- Input to Filter	Choke- Input to Filter	
AC Plate-to-Plate Supply			
Voltage (RMS)	650	900	volts
Filter-Input Capacitor	4	-	μf
Min. Total Effective Plate- Supply Impedance per Plate*	150	-	ohms
Min. Filter-Input Choke.	-	10	henries
DC Output Current.	70	70	ma
DC Output Voltage at Input to Filter (Approx.):			
At half-load (35 ma.)	390	385	volts
At full-load (70 ma.)	355	375	volts
Voltage Regulation (Approx.):			
Half-load to full load current	35	10	volts

* Indicated value for conditions shown will limit peak plate current to maximum rated value. When a filter-input capacitor larger than 4μf is used, it may be necessary to use more plate-supply impedance than the value shown to limit the peak plate current to the rated value.

□ Nominal voltage = 7.0 volts.

□□ Nominal current = 0.53 ampere.

← Indicates a change.

DEC. 30, 1947

TUBE DEPARTMENT

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA